

What is claimed is:

1. A modulating method, comprising:
obtaining information to be modulated;
determining a desired waveform to use in modulating the
5 information; and
modulating the information on to said waveform.
2. A method as in claim 1, wherein said modulating
occurs one full symbol at a time.
- 10 3. A method as in claim 1, wherein said determining
comprises determining a waveform which is bandwidth
efficient for a particular application.
- 15 4. A method as in claim 1, wherein said modulating
comprises cross correlating said information.
- 20 5. A method as in claim 1, wherein said modulating
comprises separating said information into two
separate streams of information, and modulating
said two separate streams of information in a way
that is out of phase with one another.

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6. A method of coding signals comprising producing a
FQPSK that has no slope discontinuity.

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